



Premix Full Condensing Combi Boiler



Seradens Super



**SMALLER, MORE ELEGANT,
MORE EFFICIENT, MORE QUIET...**

REAL COMBI, REAL COMFORT



Technical Specifications

MODEL	UNIT	SERADENS SUPER				
		SRS 20	SRS 24	SRS 28	SRS 36	
Central Heating Technical Specifications						
Seasonal Space Heating Energy Efficiency Class		A	A	A	A	
Seasonal Space Heating Energy Efficiency (η_s)	%	91	91	92	92	
Useful Efficiency at 30% of Nominal Heat Output (η_1) (50-30°C)	%	97.3	96.9	97.9	97.4	
Useful Efficiency at Nominal Heat Output (η_4) (80-60°C)	%	87.4	86.7	87.1	86.9	
Rated Heat Output (P_{rated}) (80-60°C)	kW	19	22	27	34	
Nominal Heat Output (P_4) (80-60°C)	kW	19.4	22.1	27.1	33.8	
Nominal Heat Output (50-30°C)	kW	21.9	24.8	30	37.8	
30% of Nominal Heat Output (P_1) (50-30°C)	kW	6.1	7.3	8.4	10.9	
Minimum Heat Output (50-30°C)	kW	4.14	4.88	5.66	6.44	
Auxiliary Electrical Consumption at Full Load (el_{max}) (80-60°C)	kW	0.073	0.083	0.084	0.088	
Auxiliary Electrical Consumption at Part Load (el_{min}) (80-60°C)	kW	0.032	0.034	0.036	0.053	
Annual Energy Consumption (Q_{HE})	GJ	36	42	50	62	
Domestic Hot Water Technical Specifications						
Water Heating Energy Efficiency Class		A	A	A	A	
Water Heating Energy Efficiency (η_{WH})	%	85	89	86	86	
Water Heating Load Profile		XL	XL	XL	XXL	
DHW Flow Rate at $\Delta T:30K$	lt/min	11.5	13	14	18	
Maximum DHW Flow Rate	lt/min	12	14	14	18	
Daily Electrical Power Consumption (Q_{elec})	kWh	0.185	0.171	0.17	0.169	
Annual Electricity Consumption (AEC)	kWh	40.748	37.659	37.489	37.155	
Daily Gas Consumption (Q_{fuel})	kWh	22.838	21.589	22.442	28.059	
Annual Fuel Consumption (AFC)	GJ	18	17	18	22	
General Technical Specifications						
NOx Class		6	6	6	6	
Emissions of Nitrogen Oxide (NO_x)	mg/kWh	36.619	37.422	44.868	34.553	
Sound Power Level, Indoors (L_{WA})	dB	39	40	40	42	
Auxiliary Electrical Consumption in Standby Mode (P_{SB})	kW	0.003	0.004	0.003	0.003	
Standby Heat Losses (P_{stby})	kW	0.063	0.063	0.054	0.072	
Ignition Burner Energy Consumption (P_{ign})	kW	0	0	0	0	
Physical Properties						
Flue Connection Types		B23 - B33 - C13 - C13(x) - C33 - C33(x) - C43 - C43(x) - C53 - C53(x) - C63 - C63(x) - C83 - C83(x) - C93 - C93(x)				
Dimensions (Width x Height x Depth)	mm	437 x 640 x 296				
Weight (Net)	kg	29	30	32		
Expansion Tank Capacity	lt	8		10		
Power Supply	V/Hz	230/50				

- Stainless steel main exchanger with long service life and high resistance against condensate water.
- Radiation losses decrease and efficiency increases thanks to the cold burner door in the main heat exchanger.
- Ideal gas-air mixture, high efficiency, low noise level, low flue gas temperature and low emission rate thanks to the premix system, environmentally friendly product.
- High efficiency proved by the very low flue gas temperature (flue gas temperature reduced up to 52°C).
- Less stop and start operations, more fuel saving with the very extensive heating modulation range that goes from 17% to 100%.
- Less fuel consumption.
- Less power consumption, thanks to the high efficient class pump (EEI $\leq 0,20$).
- High pump head.
- White illuminated LCD display.
- Digital manometer.
- Very low sound level (39-42 dB).
- Compatible for natural gas and Propane-LPG.



Smart Thermostat Set*

With your smart thermostat, you may control your combi boiler from your smart phone or tablet wherever you are in the world. You may access and change the current temperature settings or timing schedules.



*Optional.

You can find the informations about the different automatic control accessories in our website.



Manufacturer reserves the right to change any product specifications without notice.